

#### ABSTRACT OF THE DISCLOSURE

The invention provides a technique which is effective for reusing a hydrated fluid waste product or the like. A fluid raw material containing a water content and a solid content is changed to a lightweight solidifying material while being carried to a destination place, by adding or removing the water content by a gravity adjusting apparatus (1) so as to adjust gravity, next adding and mixing a solidifying material by means of a first pipe-type mixer (4), and next adding and mixing a lightening material by means of a second pipe-type mixer (5).